

AMENDMENT TO THE CLAIMS

Applicants selectively amend the claims as follows:

Listing of Claims:

1 1. (Currently Amended) An apparatus to communicate on a point-to-point
2 communication link, the apparatus comprising:
3 a general input/output port to implement a communication stack including a
4 physical layer, a data link layer and a transaction layer, the transaction layer to
5 disassemble data-path input unit to receive a packet for a request transaction on the point-
6 to-point communication link from a transmitting device on the point to point
7 communication link that does not expect an acknowledgement of a successful completion
8 and does not expect an acknowledgement of an unsuccessful a completion packet for
9 [[a]] the request transaction, wherein; and a data-path output unit to transmit a message is
10 sent to the transmitting device if the request transaction is unsuccessful.

1 2. (Currently Amended) The apparatus of claim 1, the packet for the request transaction
2 including a packet header that includes a requester identification field that identifies the
3 transmitting device.

1 3. (Original) The apparatus of claim 2, the contents of the requester identification field
2 used to route the message back to the transmitting device.

1 4. (Previously Presented) The apparatus of claim 3, the message including an
2 unsupported request error message.

1 5-6. (Canceled).

1 7. (Currently Amended) A system to communicate on one or more point-to-point
2 communication links, the system comprising:

3 a transmitting device to transmit a packet for a request transaction, the packet to
4 be transmitted on a point-to-point communication link, link for a request transaction,
5 ~~wherein the transmitting device does to~~ not expect ~~an acknowledgement of a completion~~
6 ~~and does not expect an acknowledgement of an unsuccessful~~ a completion packet for the
7 request transaction; and

8 a receiving device to receive the packet for the request transaction on the point-to-
9 point communication link, the receiving device to include a general input/output port to
10 implement a communication stack including a physical layer, a data link layer and a
11 transaction layer, the transaction layer to disassemble the packet for the request
12 transaction, and wherein the receiving device is to return a message to the transmitting
13 device if the request transaction is unsuccessful.

1 8. (Currently Amended) The system of claim 7, the packet for the request transaction
2 including a packet header that includes a requester identification field that identifies the
3 transmitting device.

1 9. (Original) The system of claim 8, the contents of the requester identification field used
2 to route the message back to the transmitting device.

1 10. (Previously Presented) The system of claim 9, the message including an unsupported
2 request error message.

1 11-12. (Canceled).

1 13. (Currently Amended) A method to communicate on a point-to-point communication
2 link, the method comprising:

3 receiving at a general input/output port for a completing device a request packet
4 for a request transaction, on the point-to-point communication link the packet received
5 from a transmitting device that does not expect an acknowledgement of a successful
6 completion and does not expect an acknowledgement of an unsuccessful a completion
7 packet for [[a]] the request transaction packet;

8 implementing a communication stack at the general input/output port for the
9 completing device, the communication stack including a physical layer, a data link layer
10 and a transaction layer, the transaction layer to disassemble the packet for the request
11 transaction;

12 determining whether an error condition associated with completion of the request
13 transaction exists; and

14 if an error condition exists, delivering an error message to the transmitting device.

1 14-16. (Canceled).

1 17. (Previously Presented) The method of claim 13, wherein the error message indicates
2 an unsupported request.

1 18. (Currently Amended) A system to communicate on one or more point-to-point
2 communication links, the system, comprising:
3 a requesting device to transmit a packet for a memory transaction over the one or
4 more point-to-point communication links, ~~wherein the requesting device does to~~ not
5 ~~expect an acknowledgement of a successful completion and does not expect an~~
6 ~~acknowledgement of an unsuccessful~~ a completion packet for the memory transaction;
7 and
8 a completing device to receive the packet for the memory transaction, the
9 completing device to include a general input/output port to implement a communication
10 stack including a physical layer, a data link layer and a transaction layer, the transaction
11 layer to disassemble the packet for the memory transaction, and wherein the completing
12 device is to return a message over the one or more point-to-point communication links to
13 the requesting device if the memory transaction is unsuccessful.

1 19. (Currently Amended) The system of claim 18, the packet for the memory transaction
2 including a packet header that includes a requester identification field that identifies the
3 requesting device.

1 20. (Previously Presented) The system of claim 19, the contents of the requester
2 identification field used to route the message back to the requesting device.

1 21. (Previously Presented) The system of claim 19, the message including an
2 unsupported request error message.

1 22-23. (Canceled).

1 24. (Previously Presented) The system of claim 18, the memory transaction including a
2 memory write transaction.